

Department of Human Resources & Examinations

Louisiana State Licensing Board for Contractors

LSLBC

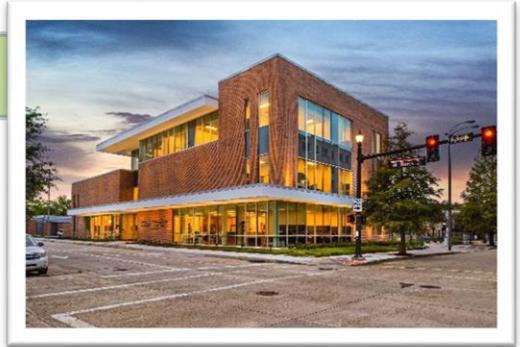
Air Conditioning Work, Ventilation, Refrigeration and Duct Work

Classification Description

Refers to the installation, maintenance or repair of air conditioning, heating, ventilation, refrigeration, coolers, freezers and ice rinks.

Contractors holding this classification who perform gas piping jobs for buildings and residences **must also possess a Master Gas Fitter's license with the State Plumbing Board of Louisiana or use someone who has a Master Gas Fitter's License to perform gas piping jobs**; however, contractors holding this classification may make gas piping connections, disconnections, or reconnections from the outlet side of the appliance shutoff valve to the appliance inlet without a Gas Fitter's License.

Introduction



*Air Conditioning Work, Ventilation, Refrigeration and Duct Work is a closed book examination with 100 multiple-choice questions and a minimum passing score of 70. You will have **four hours** to complete this examination.*

This bulletin contains only a representative sample of the many good references available on the subject at the time the list was compiled. It is not a comprehensive listing. Please note that it is *not* necessary to read all of the books in order to pass the examination. Rather, this list is intended to suggest what types of references might be useful in helping to acquire the basic knowledge needed to perform this type of work. Often the best preparation is training through a mentor or through a company or organizational training program, or a higher educational or vocational educational training program, etc., along with actual experience.

We try to keep this list current with books in print, but some books go out of print from time to time. These books may be available in your local library's collection or through the services of Inter-Library Loan. If still in print, these books may also be available through your local bookstore or by contacting the publisher. All references available via the internet are followed by the appropriate website address for obtaining the reference. From time to time, website addresses may change and no longer be available. In such cases, please search for the appropriate new website address or contact the publisher or a library to obtain a copy.

Content Outline

Content Domain	%
Project Management, Estimating and Plan Reading	21
HVAC and Refrigeration Systems	26
Air Distribution Systems and Ventilation	17
Piping Systems and Hydronics (Commercial, Residential and Industrial)	26
Instrumentation (Controls, Balancing)	10

References

Modern Refrigeration and Air Conditioning; Althouse, A. D., et al; Goodheart-Willcox Publisher; Tinley Park, IL. <https://www.g-w.com/modern-refrigeration-air-conditioning-2017#li>

2012 International Mechanical Code; International Code Council; Country Club Hills, IL; 2011.

Trane Air Conditioning Manual; The Trane Company; La Crosse, WI. May be found at: http://www.trane.com/content/dam/Trane/Commercial/global/products-systems/educationtraining/EM_ADV1.pdf

AHRI Fundamentals of HVAC/R; Stanfield, Carter and Skaves, David; AHRI Air-Conditioning, Heating, and Refrigeration Institute; Prentice-Hall, Pearson Education, Inc.; Upper Saddle River, NJ; 2010. <http://www.mypearsonstore.com/bookstore/fundamentals-of-hvacr-with-mylab-hvac-withpearson-9780134486161?xid=PSED>

Managing the Construction Process, Fourth Edition; Gould, Frederick; Prentice-Hall, Pearson Education, Inc.; Upper Saddle River, NJ; 2011.

Project Management in Construction, Seventh Edition; Levy, Sidney M.; McGraw-Hill Education; New York; 2018.



www.lslbc.louisiana.gov

600 North Street Baton Rouge, LA 70802 800-256-1392 (225) 765-2301